

Length: Body about 1.8 mm., wing 1.5 mm.

Paradeniya, Ceylon, two specimens, April and May, 1913, bred from *Walkeriana* ? *kandyense* Green by A. Rutherford.

Type, Cat. No. 18249, U. S. Nat. Mus.

Nearest to *C. monophlebi*, but slightly larger. It differs from this particularly in the straight posterior cross-vein and in the sharp point of the third antennal joint.

## THREE NEW HYMENOPTERA

(*Chalcidoidea*)

By J. C. CRAWFORD

### ***Pachyneuron hammari***, new species.

Female: Length about 2 mm. Head greenish, thorax bronzy, propodeum bluish, abdomen dark brown; head and thorax reticulate, the reticulations almost thimble-like; antennæ with two ring joints, the scape testaceous, rest of antennæ brown; pedicel longer than first joint of funicle, the joints of the funicle about subquadrate; apical part of scutellum set off by a transverse furrow; propodeum with a strong median carina reaching the smooth elevated neck; lateral folds rather indistinct, the area between them and the spiracular sulci with the sculpture less distinct than that on median area of propodeum where it is almost thimble-like; legs testaceous, the femora brown except apically.

Male: Length about 1.5 mm. Similar to the female except in secondary sexual characters.

Type locality: Roswell, New Mexico.

Described from 12 specimens received from the Bureau of Entomology, U. S. Department of Agriculture, under Quaintance No. 6111, with the additional data, "Bred from codling moth material, 5, 15, 13, A. G. Hammar, collector."

Type, Cat. No. 18167, U. S. Nat. Mus.

The species is distinguished from its allies by the strong medial carina on the propodeum.

### ***Cyrtogaster glasgowi***, new species.

Female: Length about 2 mm. Dark green, with the abdomen considerably darker than head and thorax; head and thorax finely reticulated

medially, the sculpture on the face forming vertical lines; antennæ dark brown, the scape somewhat greenish with its base testaceous; joints of the funicle subquadrate, the pedicel longer than the ring-joints and first joint of funicle combined, parapsidal furrows complete, wide, with occasional transverse rugæ so that they somewhat resemble a row of pits, the sculpture of lateral lobes of mesoscutum and of axillæ somewhat finer than on middle lobe; scutellum before apex with a broad distinct transverse furrow, sculpture apicad of this furrow coarser and basad of it; propodeum coarsely, irregularly rugose, petiole shorter than hind coxæ from above showing five longitudinal carinæ, the outer pair seen from above at the extreme sides of petiole, the one on each side of the middle carina converging toward base; mesopleuræ, except upper part with a medial triangular area extending downward, with thimble-like punctures; wings hyaline, the postmarginal vein about half as long as the marginal, stigmal about as long as postmarginal; coxæ green, rest of legs reddish honey color, the femora near apices somewhat brown, tibiæ near base with indistinct light brownish annulus and near apices with another more indistinct brownish spot; abdomen smooth polished, the first segment occupying half the length of abdomen, the apex deeply, broadly emarginate.

Male: Length about 1.75 mm. Similar to the female but the scape entirely testaceous, the antennæ filiform, the enlarged joint of the palpi very conspicuous, dark green, legs lighter colored than the female, the brownish patches hardly visible, petiole not longer than in female.

Habitat: Vicinity of Urbana, Illinois.

Described from two females (one mounted on a slide) and one male reared from puparia of *Brachydeutera argentata* by Mr. H. Glasgow.

Type specimen, Cat. No. 18246, U. S. Nat. Mus.

### **Pleurotropis testaceipes**, new species.

Female: Length 1.25 mm. Brilliant coppery, the vertex blue with some greenish reflections; mesothoracic foveæ green; apex of scutellum, metanotum, and propodeum greenish; abdomen bluish; face below and above V-shaped furrow reticulated; vertex faintly reticulate, the reticulations extending to the eyes; funicle 2-jointed, the first joint about as long as the pedicel; club 3-jointed, longer than the two joints of the funicle united; foveæ of mesonotum very faintly reticulate, the rest of the mesonotum and scutellum stronger reticulated, the reticulations of the scu-

tellum longitudinally elongate; medial carinæ of propodeum distinct, lateral carinæ very delicate; wings hyaline; coxæ æneous, the rest of the legs testaceous with the femora basally very slightly brownish; abdomen smooth.

Type locality: Batesburg, South Carolina.

Described from one specimen received from the Bureau of Entomology, U. S. Department of Agriculture, under Hunter No. 3415 (sublot) E. V. 81, issued July 11, 1913, from a leaf-miner on undetermined plant.

This species is easily distinguished from the other described North American species by the testaceous legs.

Type specimen, Cat. No. 18216, U. S. Nat. Mus.

## TWO PORTO RICAN THYSANOPTERA FROM SUGAR CANE

By J. DOUGLAS HOOD

The two species of thrips recorded below as occurring on sugar cane in Porto Rico are both additions to the list of insects known to affect that plant, as well as to the known Thysanopterous fauna of the island itself. One is new to science and a rather anomalous member of the genus in which it is here placed; the other is a Holarctic greenhouse pest which has never before been reported from an outdoor habitat.

The only other papers on Porto Rican Thysanoptera were published by the writer in Volume I of this journal, pages 65-70 and 149-154.

### ***Heliothrips femoralis* Reuter.**

- 1891. *Heliothrips femoralis* Reuter, Medd. Soc. Faun. et Fl. Fenn., Vol. XVII, p. 166.
- 1895. *Heliothrips cestri* Pergande, Ins. Life, Vol. VII, p. 391.
- 1895. *Heliothrips femoralis* Uzel, Monogr. d. Ordn. Thys., pp. 170, 458.
- 1896. *Heliothrips femoralis* Bergroth, Ann. Soc. Ent. Belg., Vol. XL, p. 67.
- 1899. *Heliothrips femoralis* Reuter, Acta Soc. Faun. et Fl. Fenn., Vol. XVII, No. 2, p. 39.
- 1902. *Heliothrips femoralis* Hinds, Proc. U. S. Nat. Mus., Vol. XXVI, p. 172, Pl. V, figs. 55, 56, Pl. VI, fig. 57.
- 1907. *Heliothrips femoralis* Buffa, Atti d. Soc. Tosc. d. Sci. Nat., Mem., Vol. XXIII, p. 63.
- 1908. *Heliothrips femoralis* Bagnall, Ent. Mo. Mag., 2d ser., Vol. XIX, pp. 6, 7 (footnote).